

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/051184 A1

(51) International Patent Classification⁷: **A61B 5/00**

(21) International Application Number:
PCT/IB2004/052522

(22) International Filing Date:
24 November 2004 (24.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03104436.5 28 November 2003 (28.11.2003) EP

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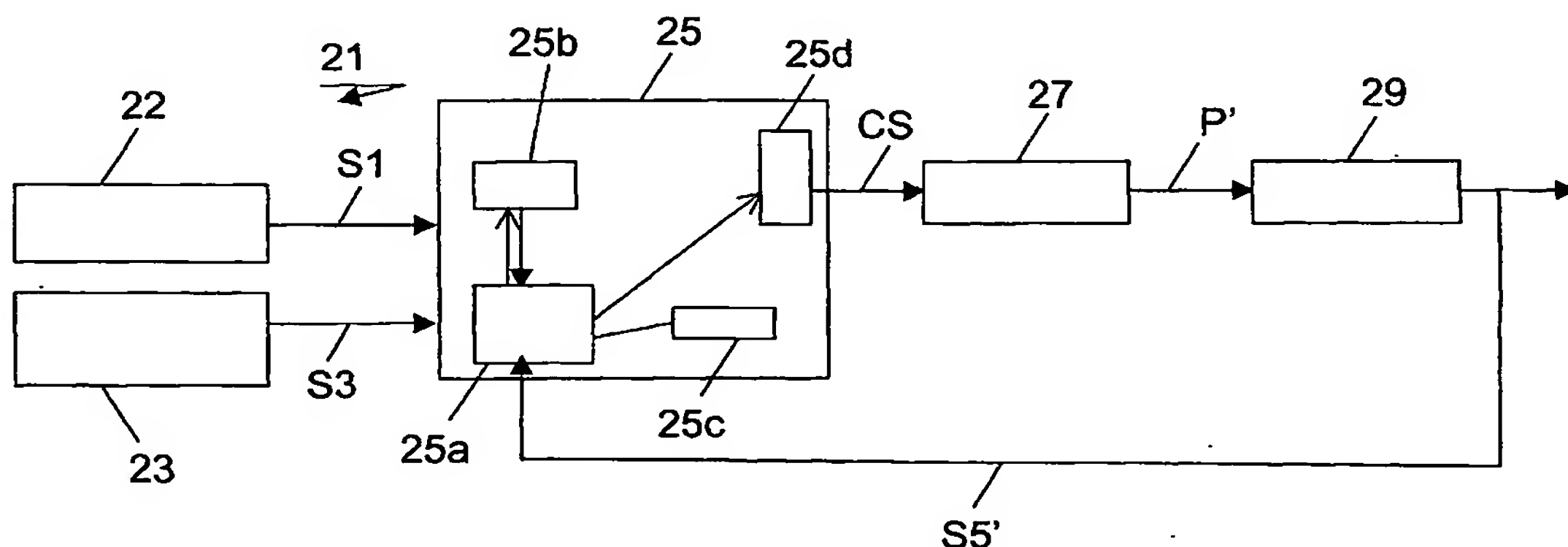
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: **MONITORING DEVICE AND A MONITORING BODY-WEAR**



(57) Abstract: A monitoring device (21) arranged to measure a signal (S 1) representative of a physiological condition of the individual by means of a suitably arranged sensor (22) and to automatically modify a contact pressure (P) of said sensor meeting real-time requirements. For this purpose the sensor (22) is supported by a piece of elastic material, the monitoring device further comprising an actuator (27) arranged to interact with the piece of elastic material upon receipt of a control signal (CS) from a control unit (25). The control unit (25) is arranged to analyze the signal (S 1) from the sensor (22) and to decide on an alteration of the contact pressure (P). For this purpose the control means (25) comprises a logic unit (25a) arranged to carry out a suitable signal analysis. Preferably, the monitoring device (21) is arranged with a further sensor (23), a signal (S3) of which is also provided for analysis to the control unit (25).



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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